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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/989,486	11/20/2001	Reeny T. Sebastian	DP-304592/DE3-0214	9883	
7	7590 09/13/2005		EXAM	EXAMINER	
KEITH J. MURPHY			BROADHEAD, BRIAN J		
CANTOR COLBURN LLP 55 Griffin Road South			ART UNIT	PAPER NUMBER	
Bloomfield, C			3661		
			DATE MAILED: 09/13/2005	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/989,486	SEBASTIAN ET AL.	
Office Action Summary	Examiner	Art Unit	
	Brian J. Broadhead	3661	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet	with the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RI WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory por Failure to reply within the set or extended period for reply will, by some Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMU FR 1.136(a). In no event, however, may n. eriod will apply and will expire SIX (6) N statute, cause the application to become	NICATION. a reply be timely filed ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 1	17 June 2005.		
	This action is non-final.		
3) Since this application is in condition for all	owance except for formal m	atters, prosecution as to the merits is	
closed in accordance with the practice und			
Disposition of Claims			
4)⊠ Claim(s) 1-20 is/are pending in the applica	ition.		
4a) Of the above claim(s) is/are with			
5) Claim(s) 20 is/are allowed.	,		
6)⊠ Claim(s) <u>1 and 15-19</u> is/are rejected.			
7)⊠ Claim(s) <u>2-14</u> is/are objected to.			
8) Claim(s) are subject to restriction a	nd/or election requirement.		
Application Papers	·		
•	i		
9) The specification is objected to by the Exam		Table dada kumba Europe	
10)⊠ The drawing(s) filed on <u>20 February 2002</u> i		•	
Applicant may not request that any objection to			
Replacement drawing sheet(s) including the co	·		•
11) The oath or declaration is objected to by th	e Examiner. Note the attacr	led Office Action of form P10-152.	
Priority under 35 U.S.C. § 119		•	
12) Acknowledgment is made of a claim for for	eign priority under 35 U.S.C	. § 119(a)-(d) or (f).	
a) All b) Some * c) None of:	aanda barra barra sarahii d		
1. Certified copies of the priority docum		A 1	
2. Certified copies of the priority docum			
3. Copies of the certified copies of the		en received in this National Stage	
application from the International Bu	, , , , , , , , , , , , , , , , , , , ,		
* See the attached detailed Office action for a	ilist of the certified copies n	ot received.	
Attachment(s)			
1) X Notice of References Cited (PTO-892)	4) Interview	v Summary (PTO-413)	
2) 🔲 Notice of Draftsperson's Patent Drawing Review (PTO-948	Paper N	o(s)/Mail Date	
 Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date 	3/08) 5) ☐ Notice of 6) ☐ Other: _	f Informal Patent Application (PTO-152)	
S. Patent and Trademark Office	ce Action Summary	Part of Paper No./Mail Date 20050903	



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DETAILED ACTION

Claim Objections

1. Claim 1 is objected to because of the following informalities: In line, 9, it appears "of" after "rejection", should be --if--. Appropriate correction is required.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 16 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claim is directed at computer code or functional descriptive matter and not statutory subject matter.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1, and 15 through 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Eguchi, 5554969.
- 5. Eguchi discloses receiving a plurality of signals indicative of the rear steering angle, checking at least one of the plurality of signals to determine if it falls within a valid range, and correlating at least a first signal of the plurality of signals with at leas a second signal of said plurality of signals to determine if either the first signal or the

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second signal is invalid on lines 18-45, on column 1. Eguchi does not explicitly disclose the invention signals a rejection if any of the plurality of signals is found to be invalid. It would have been obvious to one of ordinary skill in the art at the time the invention was made to signal a rejection of an invalid signal because otherwise the invention would be useless. There would be no point in determining an invalid signal if nothing is done with that information.

Allowable Subject Matter

- 6. Claim 20 is allowed.
- 7. Claims 2 through 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. The following is a statement of reasons for the indication of allowable subject matter: The prior art does not disclose signaling a rejection of any of the plurality of signals is found to be invalid, wherein the correlating includes comparing the first signal with an expected value at about and inflection point of the second signal; computing an expected value of the other of the first signal and second signal in accordance with the calculated angle; the plurality of signals comprises a plurality of signal components of a single carrier signal; the receiving includes a single sensor having two signal outputs; comparing at least one of the plurality of signals with both and upper and lower limit; and determining a second value of the steering able in accordance with the first value of the steering value and the second signal in order to obtain a more accurate measurement.

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Response to Arguments

9. Applicant's arguments with respect to claims 1, and 15 through 19, have been considered but are most in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian J. Broadhead whose telephone number is 571-272-6957. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BJB

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